

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080723\  
 Data File : VD076940.D  
 Acq On : 07 Aug 2023 19:27  
 Operator : KP/SY  
 Sample : 03903-03  
 Misc : 5.01G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MW-03

Quant Time: Aug 08 04:41:44 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D071423S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 17 08:07:52 2023  
 Response via : Initial Calibration

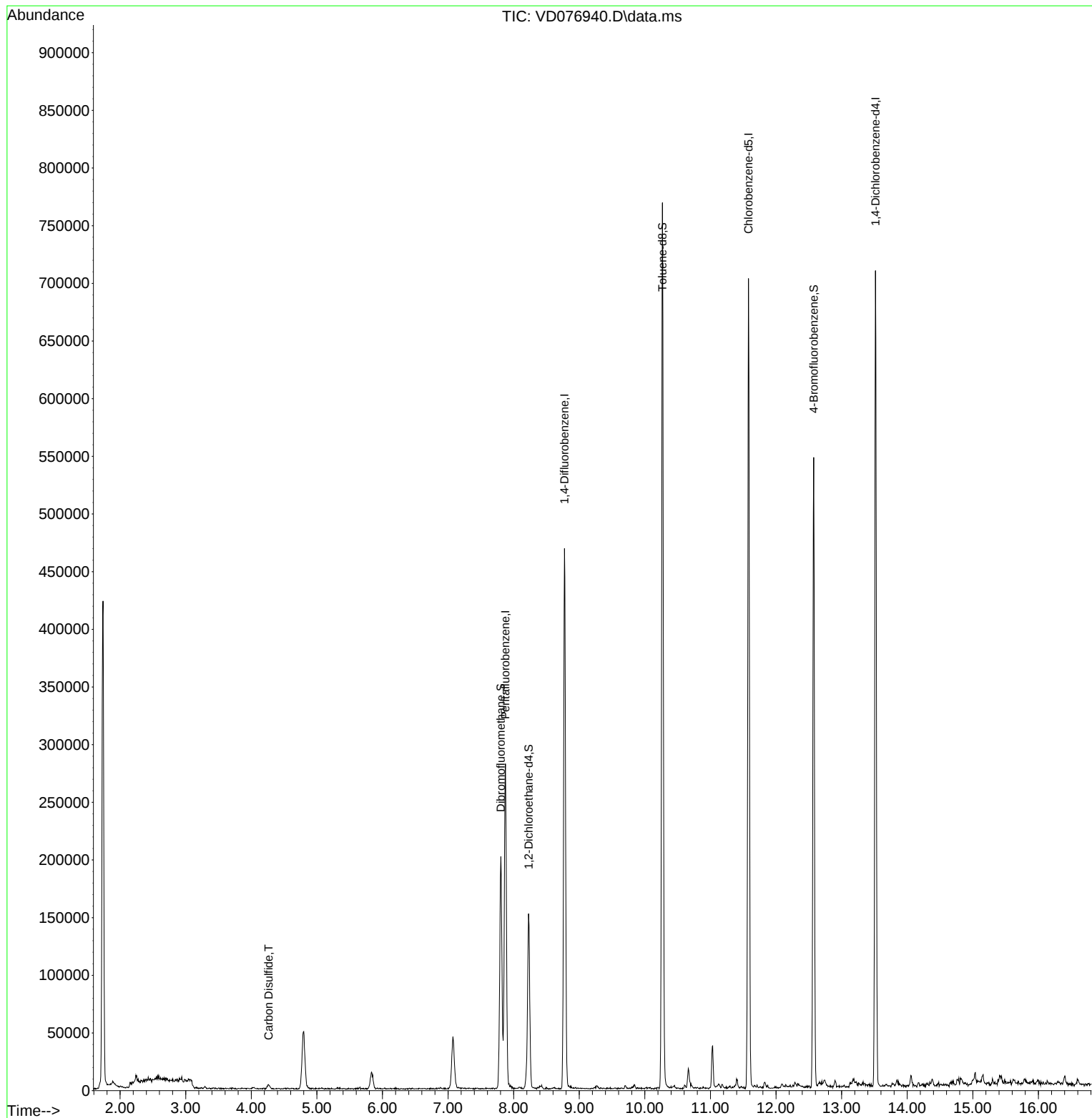
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min)    |
|-----------------------------|--------|-------|----------|----------|------------|-------------|
| -----                       |        |       |          |          |            |             |
| Internal Standards          |        |       |          |          |            |             |
| 1) Pentafluorobenzene       | 7.875  | 168   | 219083   | 50.000   | ug/l       | 0.00        |
| 34) 1,4-Difluorobenzene     | 8.775  | 114   | 435666   | 50.000   | ug/l       | 0.00        |
| 63) Chlorobenzene-d5        | 11.581 | 117   | 427407   | 50.000   | ug/l       | 0.00        |
| 72) 1,4-Dichlorobenzene-d4  | 13.516 | 152   | 192110   | 50.000   | ug/l       | 0.00        |
| System Monitoring Compounds |        |       |          |          |            |             |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 111389   | 51.046   | ug/l       | 0.00        |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 102.100% |             |
| 35) Dibromofluoromethane    | 7.804  | 113   | 145942   | 53.307   | ug/l       | 0.00        |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 106.620% |             |
| 50) Toluene-d8              | 10.269 | 98    | 536512   | 54.780   | ug/l       | 0.00        |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 109.560% |             |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 170150   | 53.703   | ug/l       | 0.00        |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 107.400% |             |
| Target Compounds            |        |       |          |          |            |             |
| 17) Carbon Disulfide        | 4.263  | 76    | 7888     | 1.560    | ug/l       | Qvalue # 93 |
| -----                       |        |       |          |          |            |             |

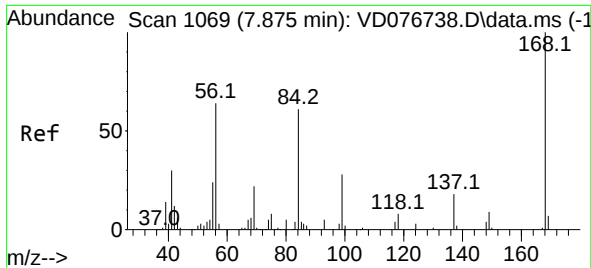
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_D  
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Quant Title : SW846 8260  
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Response via : Initial Calibration

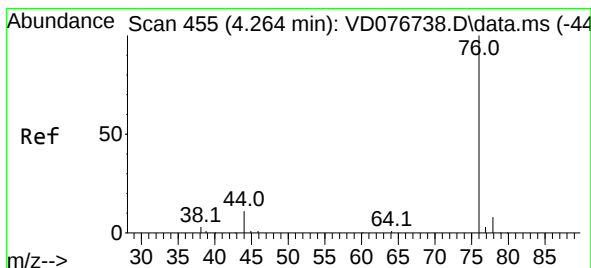
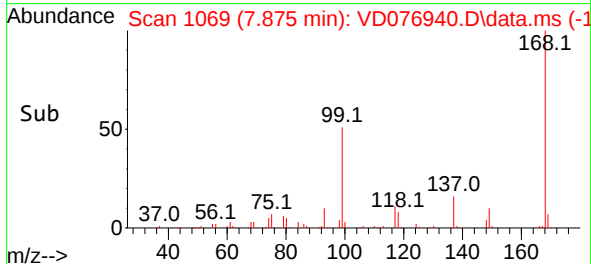
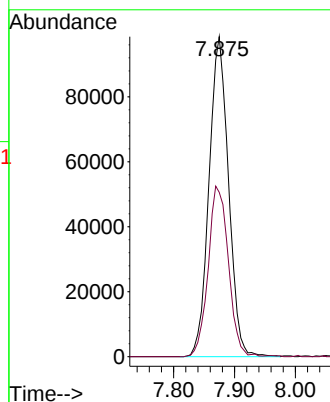
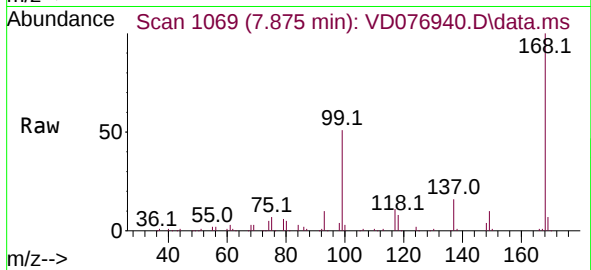




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.000 min  
Lab File: VD076940.D  
Acq: 07 Aug 2023 19:27

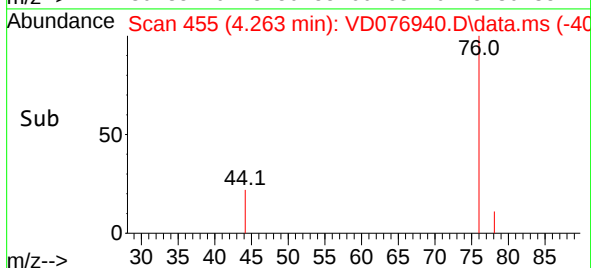
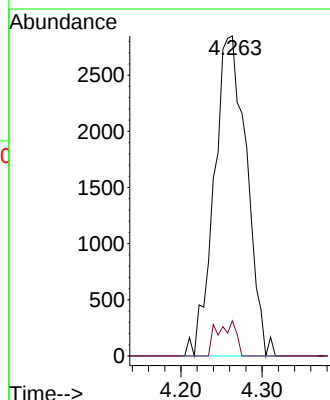
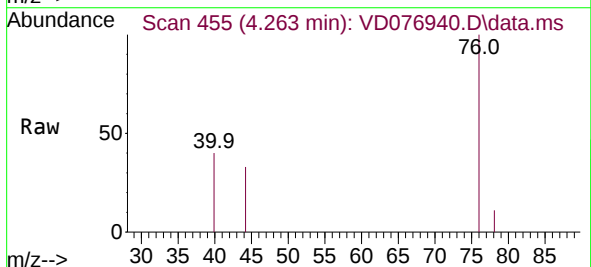
Instrument :  
MSVOA\_D  
ClientSampleId :  
MW-03

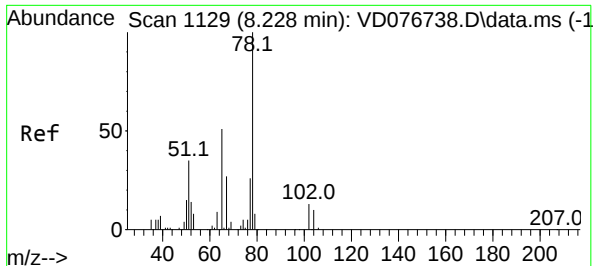
Tgt Ion:168 Resp: 219083  
Ion Ratio Lower Upper  
168 100  
99 51.3 36.7 55.1



#17  
Carbon Disulfide  
Concen: 1.560 ug/l  
RT: 4.263 min Scan# 455  
Delta R.T. -0.001 min  
Lab File: VD076940.D  
Acq: 07 Aug 2023 19:27

Tgt Ion: 76 Resp: 7888  
Ion Ratio Lower Upper  
76 100  
78 11.0 6.8 10.2#





#33

1,2-Dichloroethane-d4

Concen: 51.046 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076940.D

Acq: 07 Aug 2023 19:27

Instrument :

MSVOA\_D

ClientSampleId :

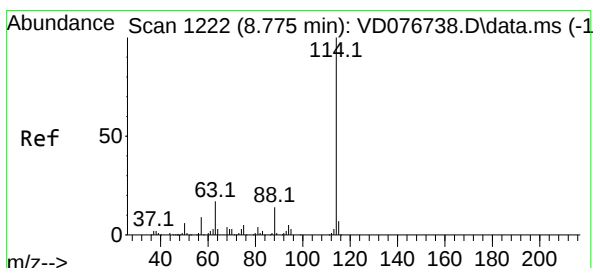
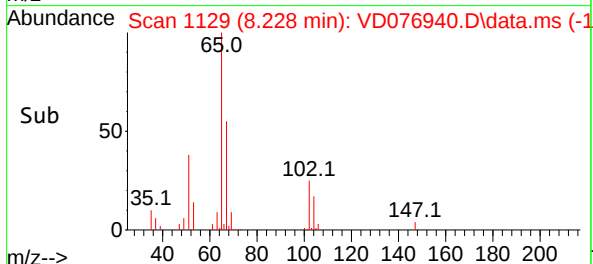
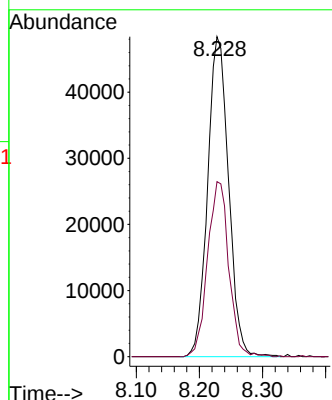
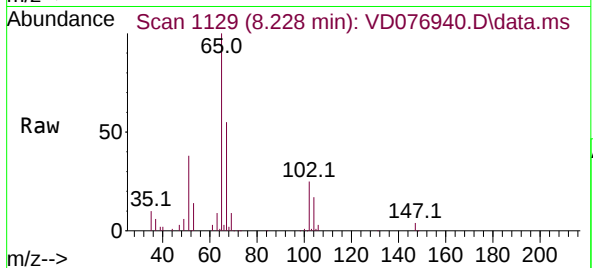
MW-03

Tgt Ion: 65 Resp: 111389

Ion Ratio Lower Upper

65 100

67 55.4 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD076940.D

Acq: 07 Aug 2023 19:27

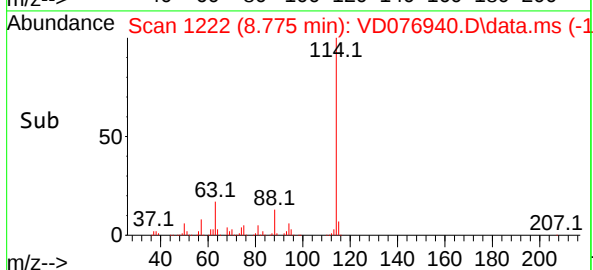
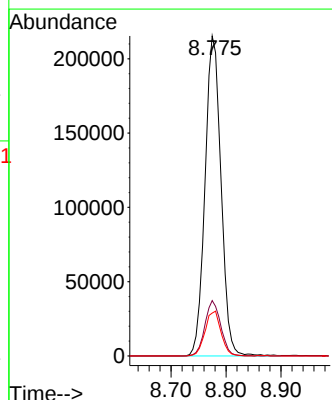
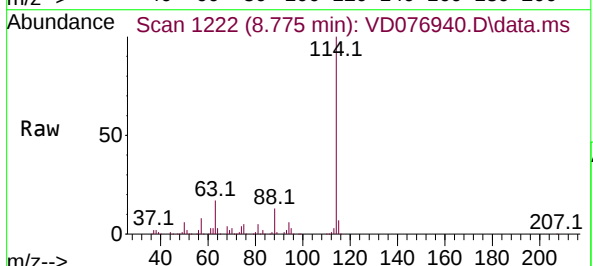
Tgt Ion: 114 Resp: 435666

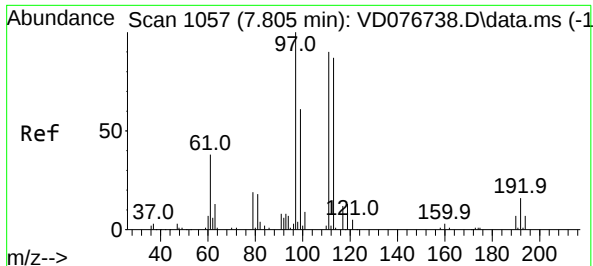
Ion Ratio Lower Upper

114 100

63 17.3 0.0 33.4

88 13.4 0.0 26.2





#35

Dibromofluoromethane

Concen: 53.307 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076940.D

Acq: 07 Aug 2023 19:27

Instrument :

MSVOA\_D

ClientSampleId :

MW-03

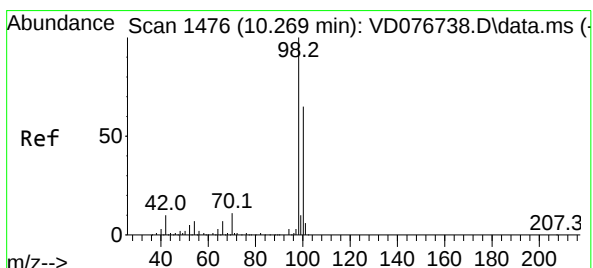
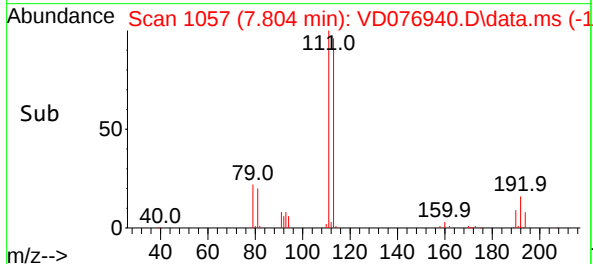
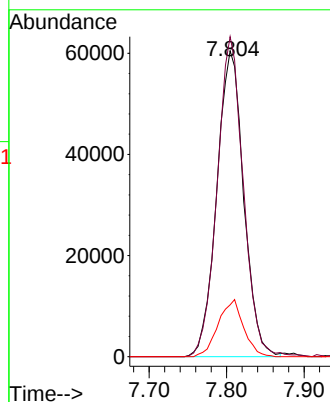
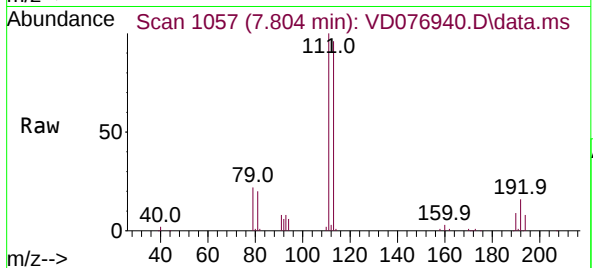
Tgt Ion:113 Resp: 145942

Ion Ratio Lower Upper

113 100

111 101.9 84.7 127.1

192 17.6 16.8 25.2



#50

Toluene-d8

Concen: 54.780 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD076940.D

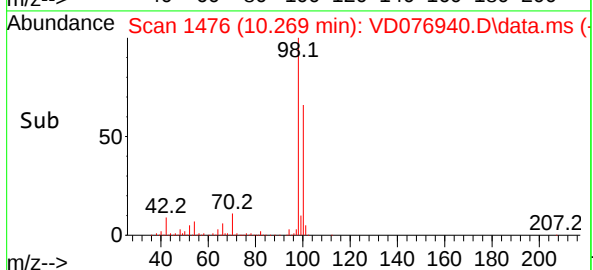
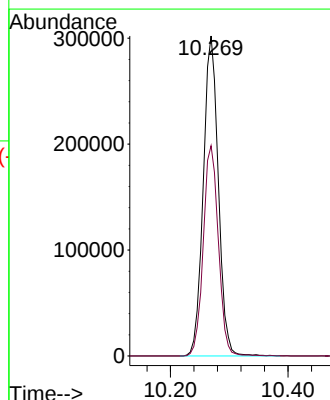
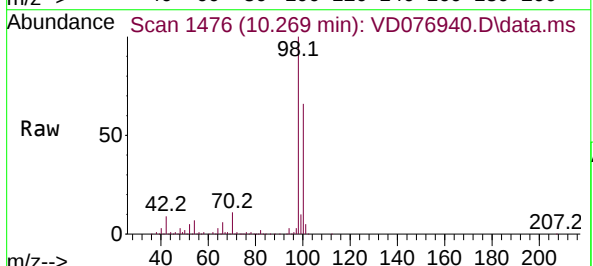
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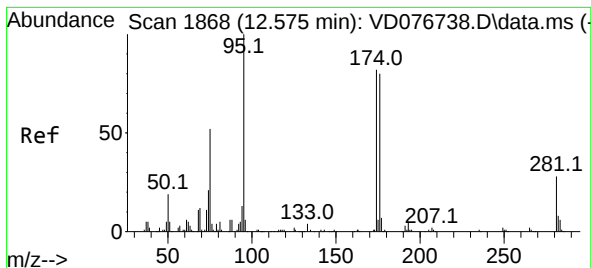
Tgt Ion: 98 Resp: 536512

Ion Ratio Lower Upper

98 100

100 65.8 50.3 75.5

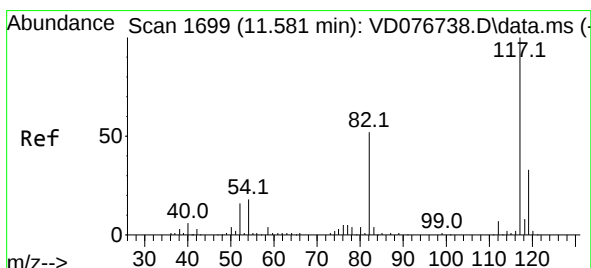
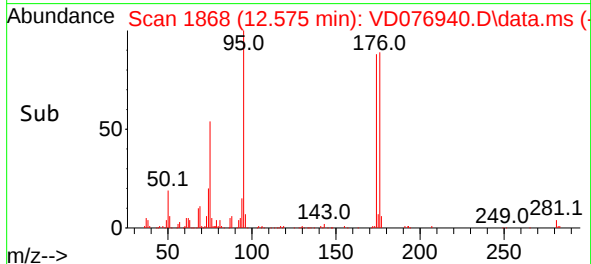
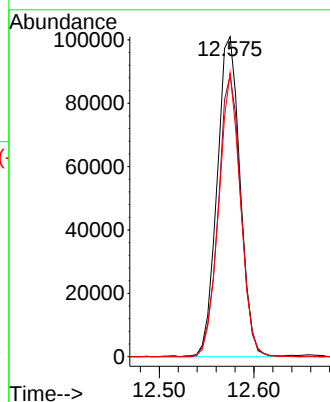
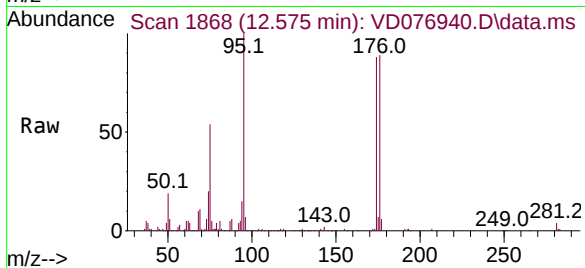




#62  
4-Bromofluorobenzene  
Concen: 53.703 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD076940.D  
Acq: 07 Aug 2023 19:27

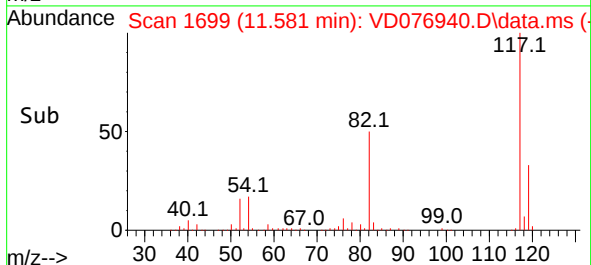
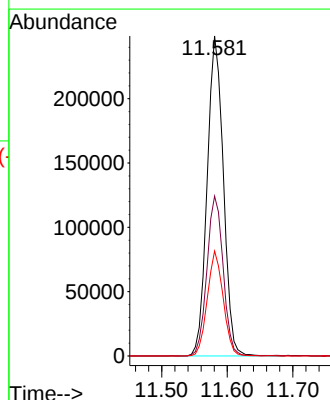
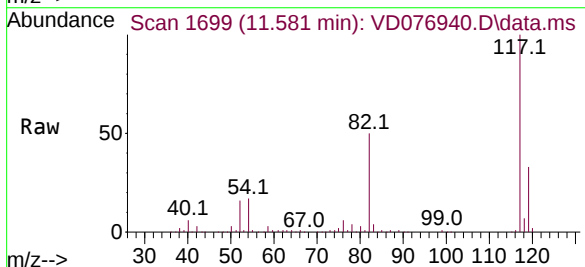
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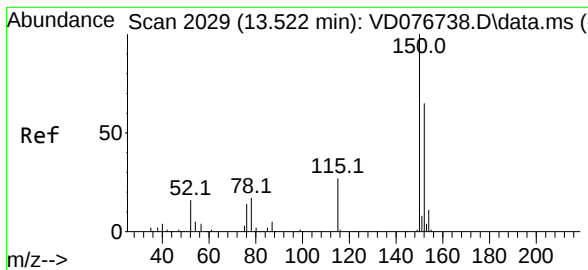
Tgt Ion: 95 Resp: 170150  
Ion Ratio Lower Upper  
95 100  
174 86.2 0.0 201.8  
176 83.4 0.0 191.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VD076940.D  
Acq: 07 Aug 2023 19:27

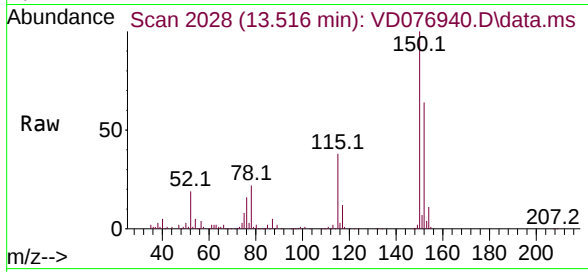
Tgt Ion: 117 Resp: 427407  
Ion Ratio Lower Upper  
117 100  
82 50.0 38.3 57.5  
119 32.8 25.0 37.4





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.516 min Scan# 20  
 Delta R.T. -0.006 min  
 Lab File: VD076940.D  
 Acq: 07 Aug 2023 19:27

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MW-03



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 192110 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 58.9  | 27.1  | 81.3   |
| 150       | 157.4 | 0.0   | 353.6  |

